

WHAT IS CLAIMED IS:

1. A hydraulic elevator repair safety platform comprising:
an elongate central beam having a first end and a second end, said beam adapted
to be connected to an elevator car; and
5 a guide clamp assembly connected to said beam and adapted to be received by
an elevator guide rail system, said guide clamp assembly having at least
one actuating arm adapted to be actuated by a downward movement of
the elevator car, whereby actuation of said at least one actuating arm
causes said guide clamp assembly to grip the guide rail system which
10 facilitates immobilization of the elevator car.
2. The safety platform according to Claim 1 including a first end portion
connected to said first end of said beam and a second end portion connected to said
second end of said beam, said first end portion and said second end portion adapted to
15 be connected to the elevator car.
3. The safety platform according to Claim 2, wherein said first end portion is
adjustably connected to said first end of said beam and said second end portion is
adjustably connected to said second end of said beam for selectively varying a distance
20 between said first and second end portions.
4. The safety platform according to Claim 1 wherein said guide clamp
assembly includes a pair of guide clamps, one of said guide clamps being connected to
said first end of said beam and another of said guide clamps being connected to said
25 second end of said beam, the guide clamps adapted to be received by the elevator guide
rail system, wherein said one guide clamp is actuated by said at least one actuating arm
and said another guide clamp is actuated by another actuating arm to cause said guide
clamps to grip the guide rail system.

5. The safety platform according to claim 4 wherein said guide clamp assembly includes a guide clamp linkage linking said at least one actuating arm to said another actuating arm to provide a simultaneous actuation said guide clamps.

5 6. The safety platform according to Claim 5, wherein said guide clamp assembly includes a safety cable operatively connected to said guide clamp linkage to cause actuation of the actuating arm of each of the guide clamps.

7. The safety platform according to Claim 4 wherein each of said guide clamps
10 includes a pair of guide shoes for engagement with the guide rail system.

8. The safety platform according to Claim 1 wherein said central beam includes a pair of spaced apart channel sections connected by a plurality of rigging members.
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9. The safety platform according to Claim 8 wherein said rigging members include U-bolts attached to said channel sections and to retaining rods extending between said channel sections.

20 10. A hydraulic elevator repair safety platform comprising:
an elongate central beam having a first end and a second end, said beam adapted to be connected to an elevator car; and
a pair of guide clamps, each of said guide clamps being connected to an associated one of said first and second ends of said beam and adapted
25 to be received by an elevator guide rail system, each of said guide clamps having an actuating arm for actuation by a downward movement of the elevator car, whereby the actuation of the actuating arm of each of said guide clamps causes said guide clamps to grip the guide rail system which facilitates immobilization of the elevator car.

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11. The safety platform according to Claim 10 further comprising a first end portion disposed between said first end of said beam and one of said guide clamps, and a second end portion disposed between said second end of said beam and another of said guide clamps, said first end portion and said second end portion adapted to be connected to the elevator car.

12. The safety platform according to Claim 11 wherein said first end portion is adjustably connected to said first end of said beam and said second end portion is adjustably connected to said second end of said beam for selectively varying a distance between said first and second end portions.

13. The safety platform according to claim 10 including a guide clamp linkage linking said actuating arms to provide a simultaneous actuation of said actuating arms.

14. The safety platform according to Claim 13 including a safety cable connected to said guide clamp linkage for actuation of said actuating arms.

15. The safety platform according to Claim 10 including a pair of guide shoes connected to each of said guide clamps to engage the elevator guide rail system.

16. A hydraulic elevator repair safety platform comprising:
an elongate central beam having a first end and a second end;
a first end portion disposed on the first end of said beam and adapted to be connected to an elevator car;
a second end portion disposed on the second end of said beam and adapted to be connected to the elevator car;
a pair of guide clamps adapted to be received by an elevator guide rail system, one of said guide clamps connected to said first end portion and another of said guide clamps connected to said second end portion, each of said guide clamps having an actuating arm, whereby the actuation of the

actuating arm of each of said guide clamps causes said guide clamps to grip the guide rail system which facilitates immobilization of the elevator car;

5 a guide clamp linkage linking said actuating arms to provide a simultaneous actuation of said actuating arms; and

a cable operatively connected to said guide clamp linkage to cause actuation of said actuating arms in response to a downward movement of the elevator car.

10 17. The safety platform according to Claim 16 wherein said first end portion is adjustably connected to said first end of said beam and said second end portion is adjustably connected to said second end of said beam.

15 18. The safety platform according to Claim 16 including a pair of guide shoes connected to each of said guide clamps to engage the elevator guide rail system.